KOHNO 'Serial No. **09/421,086**

42. (Amended) A fluid flow amount and direction measuring method as in claim 35 further comprising:

using a fluid temperature detector, fluid flow detector and heater formed on a substrate having a cavity underneath the fluid temperature detector.

48. (Amended) A fluid flow amount and direction measuring method as in claim 44 further comprising:

forming a slit in the substrate between the second temperature detector and the heater.